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25X1	. 34	Progress Report
	•	
		I. INTRODUCTION
	overed by this report,	During the month of May, 195
25X1	with a comparison	experimental work was continued
, 25X1	. As explained below,	of the noise of standard and high speed
		tests using the panel were stopped and pl
	ts.	substituting a different facility for panel
		II. PROPOSED NEW TEST FACILITY
25 X 1		
a	he snonsor's representatives	The situation was discussed w
•	· •	
ina	-	
J		
:i	ernate locations for panel	The situation was discussed we during their visit on June 8th and various tests were discussed. The two principle a building in a large gravel quarry

southwest corner of the laboratory at Riverbank with provision for a backstop located far enough away to reduce reflections for near field sound measurements, but close enough for safety. The building was ruled out because of cost of duplicating necessary laboratory facilities and the difficulties of transporting the classified material to and from the test site. Plans are, therefore, being drawn for a one-story building addition designed to be more flexible and satisfactory than the old test set-up. about 15×30 feet in area at Riverbank, and it is believed that it can be

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25X1

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III. PROJECT WORK

On Ju	ine 8, the sponsor's represe	ntatives listened to the two
ıew		. Comparisons
vere made with	various other	The
wind was strong	g from a little south of west	and the sun was out, giving
a shadow zone v	west of the firing point. Thi	s prevented observation of
differences in t	he directionality of the noise	e from the various weapons.
They were all n	aarly inaudible at 500 feet a	nd 15° from
because of the c	observer being in the shadov	v zone. The two
were delivered	to Hank at the end of the vis	it.
Values with aste	erisks are ballistic noise pe	aks easily distinguished by
	erisks are ballistic noise pe pulses. It is not known wh	
	-	y the values at 15° and 30°

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Possibly there is an experimental error in the data based on only one or two shots. Before exploration of the directional pattern of ballistic noise, which involves distance from the path as well as angle, some preliminary conclusions can be drawn as follows.	25 X 1
1. With supersonic velocities the noise at angles of 15° to	25 X 1
30° is ballistic noise which, of course, is not affected	20/(1
2. This noise is considerably higher (20 db) than the noise	0574
	25X1
This will aid in	25 X 1
specifying the sector where noise can be reduced.	
v. notebooks	05)//
Data for this report are contained in Notebooks No. C-5517 and C-6217.	25 X 1

LURET

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VI.	CONTR	IBUTING	PERSONNEL
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	25 X 1

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